

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1 1. (Currently Amended) A stabilizing device for damping
2 vibrations in an object positioned on a surface, which
3 comprises:

4 (a) a bracket configured to connect to the
5 object;

6 (b) legs, each leg having a first end and a
7 second end with first damping material between the ends and
8 connected at the first end to the bracket; and

9 (c) side arms each having a first end and a
10 second end and connected at the first end to the bracket
11 and having second damping material positioned on each side
12 arm ~~such as~~ and not directly connected to the bracket
13 wherein the second damping material is configured to reduce
14 vibrations in the bracket.

1 2. (Previously Presented) The device of Claim 1 wherein a
2 forward arm having a first end and a second end forming a
3 longitudinal axis of the forward arm is connected at the
4 first end to the bracket, the forward arm having third
5 damping material positioned along the longitudinal axis of
6 the forward arm to reduce vibrations in the bracket.

1 3. (Original) The device of Claim 2 wherein the ends of
2 each leg form a longitudinal axis of each leg and wherein
3 the longitudinal axis of one of the legs is at an angle of
4 approximately 90° to the longitudinal axis of the forward
5 arm.

1 4. (Original) The device of Claim 2 wherein the
2 longitudinal axis of the forward arm is parallel to a
3 longitudinal axis of the object when the object is
4 connected to the bracket.

1 5. (Original) The device of Claim 2 wherein the third
2 damping material is spaced apart from the first end of the
3 forward arm.

1 6. (Original) The device of Claim 2 wherein the forward arm
2 is connected to the bracket so that when the object is
3 connected to the bracket, the forward arm extends outward
4 from the bracket along the object.

1 7. (Original) The device of Claim 1 wherein the ends of
2 each leg form a longitudinal axis of each leg and the ends
3 of each side arm form a longitudinal axis of each side arm
4 and wherein the longitudinal axis of one of the legs is at
5 an angle of approximately 90° to the longitudinal axis of
6 one of the side arms.

1 8. (Original) The device of Claim 1 or 2 wherein a plate is
2 pivotably connected to the bracket and wherein the legs are
3 connected to the bracket and the object is connected to the
4 plate so that the object can be pivoted while the legs
5 remain stationary.

1 9. (Original) The device of Claim 8 wherein the forward arm
2 is connected to the plate.

1 10. (Original) The device of Claim 1 or 2 wherein the
2 bracket includes a first leg and a second leg connected
3 together at an angle by a center portion, and wherein one
4 of the legs is connected to the first leg of the bracket
5 and the other of the legs is connected to the second leg of
6 the bracket.

1 11. (Original) The device of Claim 10 wherein one of the
2 side arms is connected to the first leg of the bracket and
3 the other of the side arms is connected to the second leg
4 of the bracket.

1 12. (Original) The device of Claim 1 or 2 wherein the first
2 damping material includes a plurality of separable damping
3 units.

1 13. (Original) The device of Claim 12 wherein at least two
2 of the separable damping units are constructed of damping
3 material having different damping characteristics for
4 damping different vibration frequencies.

1 14. (Original) The device of Claim 1 wherein the second
2 damping material is spaced apart from the first ends of the
3 side arms.

1 15. (Currently Amended) A stabilizing device for damping
2 vibrations in a firearm positioned on a surface, which
3 comprises:

4 (a) a bracket configured to connect to the
5 firearm;

6 (b) legs, each leg having a first end and a
7 second end with first damping material between the ends and
8 connected at the first end to the bracket; and

9 (c) side arms each having a first end and a
10 second end and connected at the first end to the bracket
11 with second damping material positioned on each side arm
12 and not directly connected to the bracket wherein the
13 second damping material is configured to reduce vibrations
14 in the bracket.

1 16. (Original) The device of Claim 15 wherein the ends of
2 each leg form a longitudinal axis of each leg and the ends
3 of each side arm form a longitudinal axis of each side arm
4 and wherein the longitudinal axis of one of the legs is at
5 an angle of approximately 90° to the longitudinal axis of
6 one of the side arms.

1 17. (Original) The device of Claim 15 wherein the legs are
2 pivotably connected to the bracket.

1 18. (Original) The device of Claim 15 wherein a plate is
2 pivotably connected to the bracket and wherein the firearm
3 is connected to the plate so that the firearm can be
4 pivoted while the legs remain stationary.

1 19. (Original) The device of Claim 15 wherein the second
2 damping material is spaced apart from the first ends of the
3 side arms.

1 20. (Original) The device of Claim 15 wherein the bracket
2 includes a first leg and a second leg connected together at
3 an angle by a center portion, and wherein one of the legs
4 is connected to the first leg of the bracket and the other
5 of the legs is connected to the second leg of the bracket.

1 21. (Original) The device of Claim 20 wherein one of the
2 side arms is connected to the first leg of the bracket and
3 the other of the side arms is connected to the second leg
4 of the bracket.

1 22. (Original) The device of Claim 15 wherein the first
2 damping material includes a plurality of separable damping
3 units.

1 23. (Original) The device of Claim 22 wherein at least two
2 of the separable damping units are constructed of damping
3 material having different damping characteristics for
4 damping different vibration frequencies.

1 24. (Original) The device of Claim 15 wherein the second
2 ends of the legs are provided with feet constructed of a
3 third damping material.

25. (Cancelled)

1 26. (Original) The device of Claim 15 wherein there are
2 three legs spaced apart approximately 60° about a vertical
3 axis of the bracket.

1 27. (Currently Amended) A stabilizing device for damping
2 vibrations in a firearm positioned on a surface, which
3 comprises:

4 (a) a bracket configured to connect to the
5 firearm;

6 (b) legs, each leg having a first end and a
7 second end with the first end of each leg connected to the
8 bracket, each leg having first damping material between the
9 ends; and

10 (c) a forward arm having a first end and a second
11 end forming a longitudinal axis of the forward arm with the
12 first end of the forward arm connected to the bracket and
13 having second damping material positioned on the forward
14 arm spaced apart from the firearm and configured to reduce
15 vibrations in the bracket.

1 28. (Previously Presented) The device of Claim 27 wherein
2 the ends of each leg form a longitudinal axis of each leg
3 and wherein the longitudinal axis of one of the legs is at
4 an angle of approximately 90° to the longitudinal axis of
5 the forward arm.

1 29. (Original) The device of Claim 28 wherein the legs are
2 pivotably connected to the bracket.

1 30. (Original) The device of Claim 27 wherein the bracket
2 includes a plate pivotably connected to a bracket section
3 wherein the legs are connected to the bracket section of
4 the bracket and the firearm is connected to the plate of
5 the bracket so that the firearm can be pivoted while the
6 legs remain stationary.

1 31. (Original) The device of Claim 30 wherein the forward
2 arm is connected to the plate.

1 32. (Original) The device of Claim 27 wherein the
2 longitudinal axis of the forward arm is parallel to a
3 longitudinal axis of a barrel of the firearm when the
4 firearm is mounted on the bracket.

1 33. (Original) The device of Claim 27 wherein the second
2 damping material is spaced apart from the first end of the
3 forward arm.

1 34. (Original) The device of Claim 27 wherein the bracket
2 includes a first leg and a second leg connected together at
3 an angle by a center portion, wherein the forward arm is
4 mounted on the center portion of the bracket and wherein
5 one of the legs is connected to the first leg of the
6 bracket and the other one of the legs is connected to the
7 second leg of the bracket.

1 35. (Original) The device of Claim 27 wherein the forward
2 arm is connected to the bracket so that when the firearm is
3 connected to the bracket, the forward arm extends outward
4 from the bracket along a barrel of the firearm in a
5 direction opposite a stock of the firearm.

1 36. (Original) The device of Claim 27 wherein the first
2 damping material includes a plurality of separable
3 sections.

1 37. (Original) The device of Claim 36 wherein each leg has
2 at least two separable sections and wherein at least two of
3 the sections are constructed of leg damping material having
4 different damping characteristics for damping different
5 vibration frequencies.

1 38. (Original) The device of Claim 27 wherein the second
2 ends of the legs are provided with feet constructed of a
3 third damping material.

1 39. (Original) The device of Claim 27 wherein there are
2 three legs spaced apart approximately 60° about a vertical
3 axis of the bracket.

1 40. (Currently Amended) A stabilizing device for damping
2 vibrations in a firearm positioned on a surface, which
3 comprises:

4 (a) a bracket configured to connect to the
5 firearm;

6 (b) legs, each leg having a first end and a
7 second end and connected at the first end to the bracket,
8 and configured so that the second end of each leg contacts
9 the surface, each leg having first damping material;

10 (c) side arms, each arm having a first end and a
11 second end and connected at the first end to the bracket,
12 each side arm having second damping material positioned to
13 reduce vibrations in the bracket; and

14 (d) a forward arm having a first end and a second
15 end and connected at the first end to the bracket and
16 having third damping material positioned on the forward arm

17 spaced apart from the firearm and configured to reduce
18 vibrations in the bracket.

1 41. (Original) The device of Claim 40 wherein there are
2 three legs spaced apart approximately 60° about a vertical
3 axis of the bracket.

1 42. (Original) The device of Claim 40 wherein the ends of
2 each leg form a longitudinal axis of each leg and the ends
3 of each side arm form a longitudinal axis of each side arm
4 and wherein the longitudinal axis of one of the legs is at
5 an angle of approximately 90° to the longitudinal axis of
6 one of the side arms.

1 43. (Original) The device of Claim 40 wherein the ends of
2 each leg form a longitudinal axis of each leg and wherein
3 the longitudinal axis of one of the legs is at an angle of
4 approximately 90° to the longitudinal axis of the forward
5 arm.

1 44. (Original) The device of Claim 40 wherein the ends of
2 each leg form a longitudinal axis of each leg and the ends
3 of each side arm form a longitudinal axis of each side arm
4 and the ends of the forward arm form a longitudinal axis of
5 the forward arm and wherein the longitudinal axis of one of
6 the legs is approximately at a 90° angle to the
7 longitudinal axis of one of the side arms and approximately
8 at an 80° angle to the longitudinal axis of the forward
9 arm.

1 45. (Original) The device of Claim 40 wherein the legs are
2 pivotably connected to the bracket.

1 46. (Original) The device of Claim 40 wherein the bracket
2 includes a plate pivotably connected to a bracket section,
3 and wherein the legs are connected to the bracket section
4 of the bracket and the firearm is connected to the plate so
5 that the firearm can be pivoted while the legs remain
6 stationary.

1 47. (Original) The device of Claim 46 wherein the forward
2 arm is connected to the plate.

1 48. (Original) The device of Claim 46 wherein the side arms
2 are connected to the bracket section.

1 49. (Original) The device of Claim 40 wherein the
2 longitudinal axis of the forward arm is parallel to a
3 longitudinal axis of a barrel of the firearm when the
4 firearm is mounted on the bracket.

1 50. (Original) The device of Claim 40 wherein the second
2 damping material is spaced apart from the first end of the
3 side arms.

1 51. (Original) The device of Claim 40 wherein the third
2 damping material is spaced apart from the first end of the
3 forward arm.

1 52. (Original) The device of Claim 40 wherein the bracket
2 includes a first leg and a second leg connected together at
3 an angle by a center portion, wherein the forward arm is
4 mounted on the center portion of the bracket and wherein
5 each of the legs and each of the side arms is connected to
6 the first and second legs of the bracket.

1 53. (Original) The device of Claim 40 wherein the forward
2 arm is connected to the bracket so that when the firearm is
3 mounted on the bracket, the forward arm extends outward
4 from the bracket along a barrel of the firearm in a
5 direction opposite a stock of the firearm.

1 54. (Original) The device of Claim 40 wherein the first
2 damping material includes a plurality of separable
3 sections.

1 55. (Original) The device of Claim 54 wherein each leg has
2 at least two separable sections and wherein at least two of
3 the sections are constructed of damping material having
4 different damping characteristics for damping different
5 vibration frequencies.

1 56. (Original) The device of Claim 40 wherein there are a
2 plurality of forward arms and wherein the forward arms are
3 spaced apart and parallel.

1 57. (Currently Amended) A stabilizing device for damping
2 vibrations in a firearm positioned on a surface, which
3 comprises:

4 (a) a bracket configured to connect to the

5 firearm;

6 (b) a leg having a first end and a second end
7 forming a longitudinal axis of the leg with the first end
8 of the leg connected to a center of the bracket;

9 (c) first damping material positioned on the leg
10 to reduce vibration in the bracket;

11 (d) side arms, each side arm having a first end
12 and a second end with the first end of each side arm
13 connected to the bracket;

14 (e) second damping material positioned on each
15 side arm ~~so as~~ and configured to reduce vibration in the
16 bracket;

17 (f) a forward arm having a first end and a second
18 end and connected at the first end to the bracket; and

19 (g) third damping material positioned on the
20 forward arm ~~so as~~ spaced apart from the firearm and
21 configured to reduce vibration in the bracket.

Claims 58-79 (Cancelled)

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1 80. (Previously Presented) The device of Claim 1 wherein
2 the first damping material is positioned on the legs to
3 reduce vibrations in the bracket in a first direction and
4 wherein the second damping material reduces vibration in
5 the bracket in a second direction different from the first
6 direction.